

ABSTRACT OF THE DISCLOSURE

A coolant loop for an imaging engine light source avoids the necessity for a chiller or an expensive thermo-electric cooler. Instead, it uses a standard heat exchanger and a pneumatically-operated cooler, such as a vortex cooler. The advantage of a pneumatically-operated cooler is that in platesetters and imagesetters, for example, compressors are typically already included in the machines as a power sources for mechanical actuation within the machines. By simply increasing the nominal capacity of these compressors, the requirement for the expensive chillers or thermo-electric coolers can be thus avoided.